

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-15. (Canceled)

1 16. (New): An audio/video information processing apparatus comprising:
2 a source to provide audio/visual information which constitutes a digital broadcast
3 program, the audio/visual information having associated therewith attribute information
4 representative of a plurality of attributes of the audio/visual information, wherein one or more
5 digital broadcast programs can be received, each digital broadcast program having its associated
6 attributes;
7 data storage to store the audio/visual information and its associated attribute
8 information;
9 an index generator to produce index information based on the attribute
10 information, the index generator being associated with retrieval criteria used to select a plurality
11 of first attributes from the attribute information;
12 a code generator to produce executable code, the executable code incorporating
13 the index information; and
14 a transmitter operative to transmit the executable code as a transmitted signal.

1 17. (New): The apparatus of claim 16 wherein the source is a storage medium
2 having stored thereon the audio/visual information.

1 18. (New): The apparatus of claim 16 wherein the source is a receiver
2 operative to receive a broadcast signal and to produce the audio/visual information from the
3 broadcast signal.

1 19. (New): The apparatus of claim 16 wherein the index information includes
2 one or more of a title of the broadcast program, a channel, a broadcast time, or genre
3 information.

1 20. (New): The apparatus of claim 16 wherein the executable code is
2 multiplexed with the audio/visual information to produce the transmitted signal.

1 21. (New): The apparatus of claim 16 wherein the transmitter is further
2 operative to transmit the executable code in a first channel of the transmitted signal and to
3 transmit the audio/visual information in a second channel of the transmitted signal.

1 22. (New): The apparatus of claim 16 wherein the code generator can
2 selectively produce the executable code in one of a plurality of languages.

1 23. (New): The apparatus of claim 16 wherein the executable code is
2 expressed in BML, HTML, ECMA, or JAVA language.

1 24. (New): The apparatus of claim 16 wherein the source comprises a
2 receiver operative to receive a broadcast signal, a demodulator to demodulate a received signal,
3 and a demultiplexer to demultiplex a demodulated signal.

1 25. (New): A display device to display audio/visual information comprising:
2 a receiver to receive audio/visual information and executable code, the
3 audio/visual information constituting a plurality of broadcast programs, the broadcast programs
4 having associated therewith attribute information representative of a plurality of attributes of the
5 audio/visual information, wherein the executable code includes data representative of index
6 information, the index information comprising one or more of the attributes;

7 an execution unit to process the executable code, whereby the index information
8 can be presented to a user thus identifying one or more broadcast programs associated with the
9 index information, whereby a user can select one of the one or more broadcast programs; and
10 a display to display a selected one of the one or more broadcast programs.

1 26. (New): The device of claim 25 further comprising user interface to
2 present said index information to said user.

1 27. (New): The device of claim 25 wherein the list of index information is
2 displayed on the display.

1 28. (New): The device of claim 25 wherein the index information includes
2 one or more of a title of the broadcast program, a channel, a broadcast time, or genre
3 information.

1 29. (New): An audio/video information retrieval system comprising:
2 a data store for storing a plurality of audio/visual content received from one or
3 more source media, each content being associated with attribute information, each content
4 representing a broadcast program that can be viewed by a user;
5 an executable content retrieval program for retrieving a selected one of said
6 audio/visual content from among said plurality of audio/visual content;
7 an first generator to generate index information from the attribute information;
8 a second generator to generate the executable content retrieval program, wherein
9 the index information is incorporated in the executable content retrieval program; and
10 a transmitter to transmit the audio/visual content, the attribute information, and
11 the executable content retrieval program as a transmitted signal to a receiving device,
12 wherein the receiving device comprises a receiver to receive the transmitted
13 signal and a computing unit to execute the content retrieval program whereby a user can select a
14 broadcast program for viewing.

1 30. (New): The device of claim 29 wherein the computing element comprises
2 a processor and an interpreter program that executes on the processor, wherein the interpreter
3 program executes the content retrieval program.